

PATENT

Docket No.: JCLA12519

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

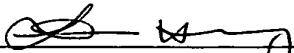
In re application of : ICHIRO KAMIMURA et al.
Application No. : 10/734,948
Filed : December 11, 2003
For : NON-AZEOTROPIC REFRIGERANT
MIXTURE, REFRIGERATING CYCLE
AND REFRIGERATING DEVICE

Group Art Unit : _____

Certificate of Mailing
I hereby certify that this correspondence and all marked attachments are being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, P.O. BOX 1450, Alexandria VA 22313-1450, on

April 20, 2004

(Date)


Jiawei Huang, Reg. No. 43,330

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

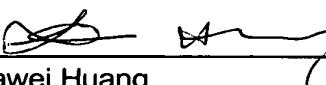
Enclosed are a European Search Report and a PTO Form 1449 listing TWELVE (12) reference(s), copy of which is attached. Applicants submit the reference(s) in compliance with their duty of disclosure pursuant to 37 CFR §1.56 and 1.97. The Examiner is requested to make the citation(s) of official record.

This IDS is being submitted before first Office Action. Thus, no fee is due. However, if a first Office Action has been sent, the Commissioner is authorized to charge any necessary fee in connection with the submission of the IDS to Account No. 50-0710 (Order No. JCLA12519).

The submission of the references should not be interpreted as admitting them as prior art.

Respectfully submitted,
J.C. Patents

Dated: 4/20/2004

By: 

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Agent of Record

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APR 2-3 2004

FORM PTO-1449
COMMERCEU.S. DEPARTMENT OF
PATENT AND TRADEMARK OFFICE
INFORMATION DISCLOSURE STATEMENT BY
APPLICANT

ATTY. DOCKET NO.: JCLA12519

APPLICATION NO.: 10/734,948

APPLICANT: ICHIRO KAMIMURA et al.

FILING DATE: December 11, 2003

GROUP:

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)
	5,360,566	11/01/94	Richard Stevenson	252	67	
	4,416,119	11/22/83	Raymond G. Wilson et al	62	149	

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION
	GB 2 085 565 A	04/28/82	Great Britain			
	2002-235072	08/23/02	Japan			
	FR 2.026.217 A	09/18/70	France			
	2001-19944	01/23/01	Japan			
	JP 06-17040	01/25/94	Japan			
	WO 97/07180 A	02/27/97	PCT			
	DE 41 16 274 A1	11/19/92	German			

EXAMINER INITIAL OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)

	“Carbon Dioxyde - Hydrocarbon-Mixtures as Alternative Fluids in Refrigeration Systems ”
	U. Hesse and H. Arnemann / Research Center for Refrigeration and Heat Pumps XP008026555 / Pages. 711-719
	“Thermodynamic Properties of The Natural Refrigerants: Mixtures Based on Dioxide Carbon – hydrocarbon ”
	G.K. Laverenchenko et al. / Odessa State Academy of Refrigeration XP00826558 / 1996-3 / Pages. 715-724
	“Experiment and Simulation on the Performance of an Autocascade Refrigeration System using carobon dioxide as a Refrigerant ”
	S.G. Kim and M.S. Kim / 2002 Elsevier Science Ltd IIR / Page 1093-1101

EXAMINER	DATE CONSIDERED

EXAMINER: INITIAL IF CITATION CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED. INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.